

## 68423 - Research in gynecology and human reproduction

### Syllabus Information

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**Academic year:** 2023/24

**Subject:** 68423 - Research in gynecology and human reproduction

**Faculty / School:** 104 - Facultad de Medicina

**Degree:** 530 - Master's in Introduction to Medical Research

**ECTS:** 5.0

**Year:** 1

**Semester:** Second semester

**Subject type:** Optional

**Module:**

### 1. General information

The aim of this subject is to train students in the development of clinical and translational research projects, with a multidisciplinary perspective, and in different health, social and cultural scenarios.

#### General objectives

- To learn to integrate clinical and basic research into clinical care from a multidisciplinary perspective.
- To learn to participate in the planning and development of basic and medical research projects.
- To learn to integrate a sociocultural perspective in health research.
- To promote clinical research in gynaecology and reproductive health.
- To acquire knowledge and skills specific to research related to women's health and reproduction.

### 2. Learning results

To pass this subject, students must demonstrate the following results:

- To learn how to provide comprehensive assistance to women's health and disease throughout their reproductive life, with a multidisciplinary approach, fostering a teamwork attitude.
- To acquire specific skills and abilities in assisting women whether they are healthy or ill, including pregnancy and childbirth, contraception, infertility and other specific reproductive problems.
- To acquire clinical research skills related to women's health and disease states, both during gestation and at other times of their reproductive life.
- To learn to be aware of the limits in the prevention, diagnosis and treatment of women's diseases as well as pregnancy and foetus problems.
- To learn to participate in the design and development of research projects, medical and basic, related to women's health and diseases, as well as pregnancy and foetal development and well-being.

### 3. Syllabus

1. Design a research project in maternal-foetal medicine, gynaecology and reproduction.
2. Professional career as a clinical researcher
3. Sexuality research
4. Reproductive health and immigration: female genital mutilation. Psychosomatic gynaecology.
5. Research in a health crisis: when research becomes an emergency.
6. Research and advances in genetics and epigenetics, foetal programming.
7. Particularities of women's health research.
8. Writing and publishing an article
9. Clinical research in surgical care settings, the female genital cancer experience.
10. Clinical research in multidisciplinary clinical settings, the endometriosis experience.
11. Introduction to clinical and translational research
12. Structure and present scientific results.

## 4. Academic activities

This subject has a teaching load of 5 ECTS (125 hours).

### 4.1- Classroom teaching (55 hours)

- Master classes and seminars (55 hours)

### 4.2- Face-to-face teaching (70 hours)

- Portfolio work (25 hours)
- Forums and discussions (25 hours)
- Personal study (15 hours)
- Tutoring (3 hours)
- Assessment (2 hours)

## 5. Assessment system

**5.1. Continuous assessment (30%):** attendance and participation in the face-to-face work sessions will be taken into account.

**Directed work (50%):** the student must demonstrate that they is able to apply for a research project. To do so, a research project related to the topics of the subject must be requested, according to the structure of the research projects of the Carlos III Institute. Cooperative work will be encouraged among the students enrolled, so groups of up to 3 students will be created. Each group of students must present their work to the rest of the groups in the last two classroom sessions of the subject.

**5.3. Portfolio (20%):** Students must create a portfolio in which they will show the activities they have conducted during the subject, together with a final reflection on the methodology developed as well as the knowledge acquired and the potential impact of the subject on their professional development.